

Form PTO-1449 (modified)		Atty. Docket No.: BRKP:028US	Serial No.: 10/589,385
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant: Christer SINDERBY et al.	
		Filing Date: August 15, 2006	Group: 3743
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 1</i>	Other Art <i>See Pages 1-4</i>	

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A3	2003-0188748	10/9/03	Sinderby <i>et al.</i>	128	204.21	4/2/03

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Language

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C2	Aldrich <i>et al.</i> , "Electrophysiologic techniques for the assessment of respiratory muscle function," In: ATS/ERS Statement on respiratory muscle testing, <i>Am. J. Respir. Crit. Care Med.</i> , 166:548-558, 2002.
	C3	Beck <i>et al.</i> , "Diaphragm interference pattern EMG and compound muscle action potentials: effects of chest wall configuration," <i>J. Appl. Physiol.</i> , 82:520-530, 1997.
	C4	Beck <i>et al.</i> , "Effects of lung volume on diaphragm EMG signal strength during voluntary contractions," <i>J. Appl. Physiol.</i> , 85:1123-1134, 1998.
	C5	Beck <i>et al.</i> , "Effects of muscle-to-electrode distance on the human diaphragm electromyogram," <i>J. Appl. Physiol.</i> , 79:975-985, 1995.
	C6	Beck <i>et al.</i> , "Influence of bipolar esophageal electrode positioning on measurements of human crural diaphragm electromyogram," <i>J. Appl. Physiol.</i> , 81:1434-1449, 1996.
	C7	Bellemare and Grassino, "Effect of pressure and timing of contraction on human diaphragm failure," <i>J. Appl. Physiol.: Respirat. Environ. Exercise Physiol.</i> , 53:1190-1195, 1982.
	C8	Bellemare and Grassino, "Evaluation of human diaphragm fatigue," <i>J. Appl. Physiol.: Respirat. Environ. Exercise Physiol.</i> , 53:1196-1206, 1982.
	C9	Brochard <i>et al.</i> , "Inspiratory pressure support prevents diaphragmatic fatigue during weaning from mechanical ventilation," <i>Am. Rev. Respir. Dis.</i> , 139:513-521, 1989.

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Exam. Init.	Ref. Des.	Citation
	C10	Broman, "An investigation on the influence of a sustained contraction on the succession of action potentials from a single motor unit," <i>Electromyogr. Clin. Neurophysiol.</i> , 17:341-358, 1977.
	C11	Calzia <i>et al.</i> , "Pressure-time product and work of breathing during biphasic continuous positive airway pressure and assisted spontaneous breathing," <i>Am. J. Respir. Crit. Care Med.</i> , 150:904-910, 1994.
	C12	Clanton <i>et al.</i> , "Preservation of sustainable inspiratory muscle pressure at increased end-expiratory lung volume," <i>Am. Rev. Respir. Dis.</i> , 147:385-391, 1993.
	C13	Clausen <i>et al.</i> , "K ⁺ induced inhibition of contractile force in rat skeletal muscle, role of active NA ⁺ -K ⁺ transport," <i>Am. J. Physiol.</i> , 261:C799-C807, 1991.
	C14	Cohen <i>et al.</i> , "Clinical manifestations of inspiratory muscle fatigue," <i>Am. J. Med.</i> , 73:308-316, 1982.
	C15	Farkas and Roussos, "Acute diaphragmatic shortening: in vitro mechanics and fatigue," <i>Am. Rev. Respir. Dis.</i> , 130:434-438, 1984.
	C16	Gandevia and McKenzie, "Human diaphragmatic EMG: changes with lung volume and posture during supramaximal phrenic stimulation," <i>J. Appl. Physiol.</i> , 60:1420-1428, 1986.
	C17	Gross <i>et al.</i> , "Electromyogram pattern of diaphragmatic fatigue," <i>J. Appl. Physiol.: Respirat. Environ. Exercise Physiol.</i> , 46:1-7, 1979.
	C18	Hodgkin and Huxley, "A quantitative description of membrane current and its application to conduction and excitation in nerve," <i>J. Physiol. (Lond)</i> , 117:500-544, 1952.
	C19	Hodgkin, "A note on conduction velocity," <i>J. Physiol (Lond)</i> , 125:221-224, 1954.
	C20	Hussain, "Regulation of ventilatory muscle blood flow," <i>J. Appl. Physiol.</i> , 81:1455-1468, 1996.
	C21	Jubran <i>et al.</i> , "Variability of patient-ventilator interaction with pressure support ventilation in patients with chronic obstructive pulmonary disease," <i>Am. J. Respir. Crit. Care Med.</i> , 152:129-136, 1995.
	C22	Kadefors <i>et al.</i> , "Dynamic spectrum analysis of myo-potentials with special reference to muscle fatigue," <i>Electromyog. Clin. Neurophysiol.</i> , 8:39-74, 1968.
	C23	Klawitter and Clanton, "Tension-time index, fatigue, and energetics in isolated rat diaphragm: a new experimental model," <i>J. Appl. Physiol.</i> , 96:89-95, 2003.

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Exam. Init.	Ref. Des.	Citation
	C24	Körner <i>et al.</i> , "The relation between spectral changes of the myoelectric signal and the intramuscular pressure of human skeletal muscle," <i>Eur. J. Appl. Physiol.</i> , 52:202-206, 1984.
	C25	Laghi <i>et al.</i> , "Is weaning failure caused by low-frequency fatigue of the diaphragm," <i>Am. J. Respir. Crit. Care Med.</i> , 167:120-127, 2003.
	C26	Lindinger and Sjøgaard, "Potassium regulation during exercise and recovery," <i>Sports Med.</i> , 11:382-401, 1991.
	C27	Lindström and Hellsing, "Masseter muscle fatigue in man objectively quantified by analysis of myoelectric signals," <i>Arch. Oral Biol.</i> , 28:297-301, 1983.
	C28	Lindström and Magnusson, "Interpretation of myoelectric power spectra: a model and its applications," <i>Proc. IEEE</i> , 65:653-662, 1977.
	C29	Lindström and Petersén, "Power spectrum analysis of EMG signals and its applications," In: <i>Progress in Clinical Neurophysiology. Computer-Aided Electromyography, Prog. Clin. Neurophysiol.</i> , 10:1-51, 1983.
	C30	Lindström <i>et al.</i> , "An electromyographic index for localized muscle fatigue," <i>J. Appl. Physiol.: Respirat. Environ. Exercise Physiol.</i> , 43:750-754, 1977.
	C31	Lindström, "Fatigue changes in the myoelectric signal during periodic muscle work," <i>Bull. Eur. Physiopathol. Respir.</i> , 15Suppl:107-114, 1979.
	C32	Mortimer <i>et al.</i> , "Conduction velocity in ischemic muscle: effect on EMG frequency spectrum," <i>Am. J. Physiol.</i> , 219:1324-1329, 1970.
	C33	Ranieri <i>et al.</i> , "Patient-ventilator interaction during acute hypercapnia: pressure-support vs. proportional-assist ventilation," <i>J. Appl. Physiol.</i> , 81:426-436, 1996.
	C34	Roussos and Macklem, "Diaphragmatic fatigue in man," <i>J. Appl. Physiol.: Respirat. Environ. Exercise Physiol.</i> , 43:189-197, 1977.
	C35	Roussos <i>et al.</i> , "Fatigue of inspiratory muscles and their synergic behavior," <i>J. Appl. Physiol.: Respirat. Environ. Exercise Physiol.</i> , 46:897-905, 1979.
	C36	Sasson <i>et al.</i> , "Pressure-time product during continuous positive airway pressure, pressure support ventilation, and T-piece during weaning from mechanical ventilation," <i>Am. Rv. Respir. Dis.</i> , 143:469-475, 1991.

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	C37	Sinderby <i>et al.</i> , "Automatic assessment of electromyogram quality," <i>J. Appl. Physiol.</i> , 79:1803-1815, 1995.
	C38	Sinderby <i>et al.</i> , "Changes in respiratory effort sensation over time are linked to the frequency content of diaphragm electrical activity," <i>Am. J. Respir. Crit. Care Med.</i> , 163:905-910, 2001.
	C39	Sinderby <i>et al.</i> , "Effects of diaphragm shortening on the mean action potential conduction velocity in canines," <i>J. Physiol.</i> , 490:207-214, 1996.
	C40	Sinderby <i>et al.</i> , "Enhancement of signal quality in esophageal recordings of diaphragm EMG," <i>J. Appl. Physiol.</i> , 82:1370-1377, 1997.
	C41	Sinderby <i>et al.</i> , "Influence of the bipolar electrode transfer function on the electromyogram power spectrum," <i>Muscle & Nerve</i> , 19:290-301, 1996.
	C42	Sinderby <i>et al.</i> , "Neural control of mechanical ventilation in respiratory failure," <i>Nat. Med.</i> , 5:1433-1436, 1999.
	C43	Sinderby <i>et al.</i> , "Voluntary activation of the human diaphragm in health and disease," <i>J. Appl. Physiol.</i> , 85:2146-2158, 1998.
	C44	Tobin <i>et al.</i> , "Assessment of respiratory muscle function in the intensive care unit," In: ATS/ERS Statement on Respiratory Muscle Testing, <i>Am. J. Respir. Crit. Care Med.</i> , 166:610-623, 2002.
	C45	Tobin <i>et al.</i> , "The pattern of breathing during successful and unsuccessful trials of weaning from mechanical ventilation," <i>Am. Rev. Respir. Dis.</i> , 134:1111-1118, 1986.
	C46	Tzelepis <i>et al.</i> , "Increased lung volume limits endurance of inspiratory muscles," <i>J. Appl. Physiol.</i> , 64:1796-1802, 1988.

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